

Amendments to the Claims

Please amend claims 1, 3, 5-11, 13-15 & 18 as set forth below. In accordance with current amendment practice, changes in the amended claims are shown by underlining (for added matter) and strikethrough or double brackets (for deleted matter).

1. (Currently Amended) A method for managing a hierarchical file system comprising:

providing a transaction manager arranged for cooperation with a transactional, file resource manager, said transactional, file resource manager managing said hierarchical file system, said transaction manager implementing transactional functionality via, in part, said transactional, file resource manager to effectuate consistent transactional changes to one or more files of said hierarchical file system and to data of one or more resources separate from the hierarchical file system, wherein the data of said one or more resources is related to the one or more files of said hierarchical file system, and wherein said consistent transactional changes are initiated by said transaction manager and are accomplished, in part, via said transactional, file resource manager.

2. (Previously Amended) The method according to claim 1 in which said transaction manager implements a commit and/or rollback facility.

3. (Currently Amended) The method according to claim 1 in which said transactional, file resource manager is arranged for communicating with said file system via a protocol directed to cover changes made to said file system.

4. (Original) The method according to claim 3 in which said protocol is XDSM or is derivable from XDSM, or comprises XDSM-equivalent functions.

5. (Currently Amended) A method for managing a file system comprising using said transaction manager and said ~~one or more~~ transactional, file resource manager according to claim 4 implemented for a cooperation with said file system.

6. (Currently Amended) The computer system of claim 13, wherein said transactional, file resource manager is arranged for communicating with said file system via a protocol directed to cover changes made to said file system, and wherein said protocol is XDSM or is derivable from XDSM, or comprises XDSM-equivalent functions.

7. (Currently Amended) The computer program of claim 14, wherein said transactional, file resource manager is arranged for communicating with said file system via a protocol directed to cover changes made to said file system, and wherein said protocol is XDSM or is derivable from XDSM, or comprises XDSM-equivalent functions.

8. (Currently Amended) The computer program product of claim 15, wherein said transactional, file resource manager is arranged for communicating with said file system via a protocol directed to cover changes made to said file system, and wherein said protocol is XDSM or is derivable from XDSM, or comprises XDSM-equivalent functions.

9. (Currently Amended) The method according to claim 1 in which said ~~one or more~~ transactional, file resource manager is implemented utilizing a stacked file system.

10. (Currently Amended) The method according to claim 1 in which said transactional, file resource manager is implemented in the file system itself.

11. (Currently Amended) The method according to claim 1 in which said transactional, file resource manager processes commands issued by said transaction manager arranged for cooperating with a database management system.

12. (Previously Amended) A method for managing a file system comprising using said transaction manager according to claim 1 implemented for a cooperation with said file system.

13. (Currently Amended) A computer system being able to access a hierarchical file system which is manageable by a transaction manager according to a method of managing a hierarchical file system comprising:

providing a transaction manager arranged for cooperation with a transactional, file resource manager, said transactional, file resource manager managing said hierarchical file system, said transaction manager implementing transactional functionality via, in part, said transactional, file resource manager to effectuate consistent transactional changes to one or more files of said hierarchical file system and to data of one or more resources separate from the hierarchical file system, wherein the data of said one or more resources is related to the one or more files of said hierarchical file system, and wherein said consistent transactional changes are initiated by said transaction manager and are accomplished, in part, via said transactional, file resource manager.

14. (Currently Amended) A computer program for execution in a data processing system comprising computer program code portions for performing the steps of providing a transaction manager arranged for cooperation with a transactional, file resource manager, said transactional, file resource manager managing a hierarchical file system, said transaction manager implementing transactional functionality via, in part, said transactional, file resource manager managing said hierarchical file system, to effectuate consistent transactional changes to one or more files of said hierarchical file system and to data of one or more resources separate from the hierarchical file system, wherein the data of said one or more resources is related to the one or more files of said hierarchical file system, and wherein said consistent transactional changes are initiated by said transaction manager and are accomplished, in part, via said transactional, file resource manager.

15. (Currently Amended) A computer program product stored on a computer usable medium comprising computer readable program means for causing a computer to perform the method of managing a hierarchical file system comprising:

providing a transaction manager arranged for cooperation with a transactional, file resource manager, said transactional, file resource manager managing said hierarchical file system, said transaction manager implementing transactional functionality via, in part, said file resource manager to effectuate consistent transactional changes to one or more files of said hierarchical file

system and to data of one or more resources separate from the hierarchical file system, wherein the data of said one or more resources is related to the one or more files of said hierarchical file system, and wherein said consistent transactional changes are initiated by said transaction manager and are accomplished, in part, via said transactional, file resource manager.

16. (Previously Presented) The method for managing a hierarchical file system of claim 1 wherein the files have different file formats.

17. (Previously Amended) The method for managing a hierarchical file system of claim 1 wherein the transaction manager implements transactional functionality to effectuate changes to files of said hierarchical file system notwithstanding that said files have unknown file formats.

18. (Currently Presented) The method for managing a hierarchical file system of claim 1 wherein the data of the one or more resources ~~managed by the one or more managers~~ comprises data in a database.

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